SUBJECT INDEX

Algorithms

GHOST: Project Network Generator, D. Navinchandra, D. Sriram and R. D. Logcher, CP July 88 p239-254.

Analysis

Microcomputer-Aided Analysis and Design of Steel Frames, Magdy S. L. Roufaiel and Frank F. Monasa, CP Apr. 89 p127-142.

Artificial intelligence

Simulating Construction Robot Agents and Their Knowledge Environment, Boyd C. Paulson, Jr., Nadeem Babar, Lai-Heng Chua and Thomas M. Froese, CP Oct. 89 p303-319.

Automation

Computerized Life-Cycle Cost Systems in the Army, Edgar Samuel Neely, Jr. and Robert Neathammer, CP Jan. 89 p93-104.

Emulation for Control System Analysis in Automated Construction, Leonhard E. Bernold, Dulcy M. Abraham and Eric E. Livingston, CP Oct. 89 p320-332.

Simulating Construction Robot Agents and Their Knowledge Environment, Boyd C. Paulson, Jr., Nadeem Babar, Lai-Heng Chua and Thomas M. Froese, CP Oct. 89 p303-319.

Beams

Simplified Second-Order Elastic-Plastic Analysis of Frames, Vasanti Gharpuray and J. Dario Aristizabal-Ochoa, CP Jan. 89 p47-59.

Boundary element method

Assessment of Computational Practices in Dynamic Soil-Structure Interaction, C. C. Spyrakos, Patel and F. T. Kokkinos, CP Apr. 89 p143-157.

Bridge design

HIBIC: Expert System for Highway Bridge Dynamics, D. J. Baker, G. D. Manolis and S. Mohan, CP Oct. 89 p348-366.

Bridges, highway

HIBIC: Expert System for Highway Bridge Dynamics, D. J. Baker, G. D. Manolis and S. Mohan, CP Oct. 89 p348-366.

Building codes

Generic Design Standards Processing in an Expert System Environment, William J. Rasdorf and TsoJen E. Wang, CP Jan. 88 p68-87.

Buildings

CSTRUCT: Computer Environment for Design of Steel Structures, M. A. Austin, S. A. Mahin and K. S. Pister, CP July 89 p209-227.

Change orders

Generic Design Standards Processing in an Expert System Environment, William J. Rasdorf and TsoJen E. Wang, CP Jan. 88 p68-87.

China, People's Republic of

PC-Based Data Acquisition System for Structural Monitoring, Harry W. Shenton, III and Nicholas P. Jones, CP Oct. 89 p333-347.

Columns

Simplified Second-Order Elastic-Plastic Analysis of Frames, Vasanti Gharpuray and J. Dario Aristizabal-Ochoa, CP Jan. 89 p47-59.

Computer aided drafting (CAD)

CSTRUCT: Computer Environment for Design of Steel Structures, M. A. Austin, S. A. Mahin and K. S. Pister, CP July 89 p209-227.

Linking Civil Engineering Design and Drafting Software via IGES, Jay A. Puckett and Paul W. Guenther, CP July 89 p228-237.

Computer analysis

Computerized Life-Cycle Cost Systems in the Army, Edgar Samuel Neely, Jr. and Robert Neathammer, CP Jan. 89 p93-104.

Simplified Second-Order Elastic-Plastic Analysis of Frames, Vasanti Gharpuray and J. Dario Aristizabal-Ochoa, CP Jan. 89 p47-59.

Computer applications

Emulation for Control System Analysis in Automated Construction, Leonhard E. Bernold, Dulcy M. Abraham and Eric E. Livingston, CP Oct. 89 p320-332.

Seismic Analysis of Multistory Building Systems Using Microcomputers, Luis A. de Béjar, CP Jan. 89 p1-17.

Computer graphics

Computer Graphics in Truss-Model Design Approach, Salah Benabdallah, Julio A. Ramirez and Robert H. Lee, CP July 89 p285-301.

Interactive Layout Optimization of Trusses, H. Adeli and K. V. Balasubramanyam, CP July 87 p183-196.

Computer model

Sensitivity Analysis of Construction Contract Prices Using Spreadsheets, Foad Farid, CP July 89 p238-252.

Computer programs

Computer Graphics in Truss-Model Design Approach, Salah Benabdallah, Julio A. Ramirez and Robert H. Lee, CP July 89 p285-301.

Load Redistribution in Frame with Settling Footings, Terence A. Weigel, Kenneth J. Ott and D. Joseph Hagerty, CP Jan. 89 p75-92.

Soft Logic in Network Analysis, Samer Tamimi and James Diekmann, CP July 88 p289-300.

Computer software

Interactive Design Optimization of Framed Structures, S. S. Al-Saadoun and J. S. Arora, CP Jan. 89 p60-74.

Linking Civil Engineering Design and Drafting Software via IGES, Jay A. Puckett and Paul W. Guenther, CP July 89 p228-237.

Microcomputer-Aided Analysis and Design of Steel Frames, Magdy S. L. Roufaiel and Frank F. Monasa, CP Apr. 89 p127-142.

Simulating Construction Robot Agents and Their Knowledge Environment, Boyd C. Paulson, Jr., Nadeem Babar, Lai-Heng Chua and Thomas M. Froese, CP Oct. 89 p303-319.

Computerization

Automatic Generation of Seepage Flow Nets by Finite Element Method, Fred T. Tracy and N. Radhakrishnan, CP July 89 p268-284.

Computerized control systems

Emulation for Control System Analysis in Automated Construction, Leonhard E. Bernold, Dulcy M. Abraham and Eric E. Livingston, CP Oct. 89 p320-332.

Computerized design

Computer-Integration: Reducing Fragmentation in AEC Industry, H. C. Howard, R. E. Levitt, B. C. Paulson, J. G. Pohl and C. B. Tatum, CP Jan. 89 p18-32.

Generic Design Standards Processing in an Expert System Environment, William J. Rasdorf and TsoJen E. Wang, CP Jan. 88 p68-87.

Computerized simulation

Interactive Graphing of Simulation Networks, Leland S. Riggs, CP Apr. 89 p173-182.

Microcomputer Model for Oil Spill Simulation (MICROSS), Poojitha D. Yapa, Ronald J. Thomas, Jr., Randall S. Rutherford and Hung Tao Shen, CP Jan. 89 p33-46.

Numerical Approach for Generating Beta Random Variates, Leland S. Riggs, CP Apr. 89 p183-191.

Computers

Computer-Integration: Reducing Fragmentation in AEC Industry, H. C. Howard, R. E. Levitt, B. C. Paulson, J. G. Pohl and C. B. Tatum, CP Jan. 89 p18-32.

Unified Activity Network Model, Chris Hendrickson and Carlos Zozaya-Gorostiza, CP Apr. 89 p192-200.

Concrete, reinforced

Computer Graphics in Truss-Model Design Approach, Salah Benabdallah, Julio A. Ramirez and Robert H. Lee, CP July 89 p285-301.

Confined flow

Automatic Generation of Seepage Flow Nets by Finite Element Method, Fred T. Tracy and N. Radhakrishnan, CP July 89 p268-284.

Construction

GHOST: Project Network Generator, D. Navinchandra, D. Sriram and R. D. Logcher, CP July 88 p239-254.

Simulating Construction Robot Agents and Their Knowledge Environment, Boyd C. Paulson, Jr., Nadeem Babar, Lai-Heng Chua and Thomas M. Froese, CP Oct. 89 p303-319.

Construction control

Emulation for Control System Analysis in Automated Construction, Leonhard E. Bernold, Dulcy M. Abraham and Eric E. Livingston, CP Oct. 89 p320-332.

Construction Industry

Computer-Integration: Reducing Fragmentation in AEC Industry, H. C. Howard, R. E. Levitt, B. C. Paulson, J. G. Pohl and C. B. Tatum, CP Jan. 89 p18-32.

Construction methods

Simulating Construction Robot Agents and Their Knowledge Environment, Boyd C. Paulson, Jr., Nadeem Babar, Lai-Heng Chua and Thomas M. Froese, CP Oct. 89 p303-319.

Control structures

Emulation for Control System Analysis in Automated Construction, Leonhard E. Bernold, Dulcy M. Abraham and Eric E. Livingston, CP Oct. 89 p320-332.

Cost analysis

Computerized Life-Cycle Cost Systems in the Army, Edgar Samuel Neely, Jr. and Robert Neathammer, CP Jan. 89 p93-104.

Sensitivity Analysis of Construction Contract Prices Using Spreadsheets, Foad Farid, CP July 89 p238-252.

Critical path method

Soft Logic in Network Analysis, Samer Tamimi and James Diekmann, CP July 88 p289-300.

Data collection

PC-Based Data Acquisition System for Structural Monitoring, Harry W. Shenton, III and Nicholas P. Jones, CP Oct. 89 p333-347.

Decision making

Intelligent Decision Support and Reservoir Management and Operations, Slobodan P. Simonovic and Dragan A. Savic, CP Oct. 89 p367-385.

Knowledge-Based System for Soil Improvement, J. L. Chameau and J. C. Santamarina, CP July 89 p253-267.

Design

Computer Graphics in Truss-Model Design Approach, Salah Benabdallah, Julio A. Ramirez and Robert H. Lee, CP July 89 p285-301.

Computer-Integration: Reducing Fragmentation in AEC Industry, H. C. Howard, R. E. Levitt, B. C. Paulson, J. G. Pohl and C. B. Tatum, CP Jan. 89 p18-32.

CSTRUCT: Computer Environment for Design of Steel Structures, M. A. Austin, S. A. Mahin and K. S. Pister, CP July 89 p209-227.

Linking Civil Engineering Design and Drafting Software via IGES, Jay A. Puckett and Paul W. Guenther, CP July 89 p228-237.

Microcomputer-Aided Analysis and Design of Steel Frames, Magdy S. L. Roufaiel and Frank F. Monasa, CP Apr. 89 p127-142.

Design criteria

Generic Design Standards Processing in an Expert System Environment, William J. Rasdorf and TsoJen E. Wang, CP Jan. 88 p68-87.

Design modifications

Generic Design Standards Processing in an Expert System Environment, William J. Rasdorf and TsoJen E. Wang, CP Jan. 88 p68-87.

Design standards

Generic Design Standards Processing in an Expert System Environment, William J. Rasdorf and TsoJen E. Wang, CP Jan. 88 p68-87.

Dynamic analysis

Assessment of Computational Practices in Dynamic Soil-Structure Interaction, C. C. Spyrakos, Patel and F. T. Kokkinos, CP Apr. 89 p143-157.

Dynamic models

Modeling of Dynamic Systems: An Innovative Approach, Gilles G. Patry, CP Apr. 89 p158-172.

Dynamic response

HIBIC: Expert System for Highway Bridge Dynamics, D. J. Baker, G. D. Manolis and S. Mohan, CP Oct. 89 p348-366.

PC-Based Data Acquisition System for Structural Monitoring, Harry W. Shenton, III and Nicholas P. Jones, CP Oct. 89 p333-347.

Seismic Analysis of Multistory Building Systems Using Microcomputers, Luis A. de Béjar, CP Jan. 89 p1-17.

Transient Analysis of Viscoelastic Tapered Bars and Shafts, Constantine Chris Spyrakos, CP Jan. 88 p53-67.

Earthquakes

CSTRUCT: Computer Environment for Design of Steel Structures, M. A. Austin, S. A. Mahin and K. S. Pister, CP July 89 p209-227.

Seismic Analysis of Multistory Building Systems Using Microcomputers, Luis A. de Béjar, CP Jan. 89 p1-17.

Expert systems

Expert System for Evaluating and Notifying Hazardous Waste Generators, Leel Knowles, James P. Heaney and Mark Shafer, CP Apr. 89 p111-126.

Generic Design Standards Processing in an Expert System Environment, William J. Rasdorf and TsoJen E. Wang, CP Jan. 88 p68-87.

HIBIC: Expert System for Highway Bridge Dynamics, D. J. Baker, G. D. Manolis and S. Mohan, CP Oct. 89 p348-366.

Intelligent Decision Support and Reservoir Management and Operations, Slobodan P. Simonovic and Dragan A. Savic, CP Oct. 89 p367-385.

Knowledge-Based System for Soil Improvement, J. L. Chameau and J. C. Santamarina, CP July 89 p253-267.

Finite element method

Assessment of Computational Practices in Dynamic Soil-Structure Interaction, C. C. Spyrakos, Patel and F. T. Kokkinos, CP Apr. 89 p143-157.

Automatic Generation of Seepage Flow Nets by Finite Element Method, Fred T. Tracy and N. Radhakrishnan, CP July 89 p268-284.

Transient Analysis of Viscoelastic Tapered Bars and Shafts, Constantine Chris Spyrakos, CP Jan. 88 p53-67.

Flow nets

Automatic Generation of Seepage Flow Nets by Finite Element Method, Fred T. Tracy and N. Radhakrishnan, CP July 89 p268-284.

Foundation settlement

Load Redistribution in Frame with Settling Footings, Terence A. Weigel, Kenneth J. Ott and D. Joseph Hagerty, CP Jan. 89 p75-92.

Framed structures

Interactive Design Optimization of Framed Structures, S. S. Al-Saadoun and J. S. Arora, CP Jan. 89 p60-74.

Simplified Second-Order Elastic-Plastic Analysis of Frames, Vasanti Gharpuray and J. Dario Aristizabal-Ochoa, CP Jan. 89 p47-59.

Frequency analysis

Assessment of Computational Practices in Dynamic Soil-Structure Interaction, C. C. Spyrakos, Patel and F. T. Kokkinos, CP Apr. 89 p143-157.

Geotechnical engineering

Knowledge-Based System for Soil Improvement, J. L. Chameau and J. C. Santamarina, CP July 89 p253-267.

Hazardous waste

Expert System for Evaluating and Notifying Hazardous Waste Generators, Leel Knowles, James P. Heaney and Mark Shafer, CP Apr. 89 p111-126.

Impact loads

HIBIC: Expert System for Highway Bridge Dynamics, D. J. Baker, G. D. Manolis and S. Mohan, CP Oct. 89 p348-366.

Interaction models

Linking Civil Engineering Design and Drafting Software via IGES, Jay A. Puckett and Paul W. Guenther, CP July 89 p228-237.

Interactive graphics

Computer Graphics in Truss-Model Design Approach, Salah Benabdallah, Julio A. Ramirez and Robert H. Lee, CP July 89 p285-301.

Interactive Graphing of Simulation Networks, Leland S. Riggs, CP Apr. 89 p173-182.

Interactive Layout Optimization of Trusses, H. Adeli and K. V. Balasubramanyam, CP July 87 p183-196.

Microcomputer-Aided Analysis and Design of Steel Frames, Magdy S. L. Roufaiel and Frank F. Monasa, CP Apr. 89 p127-142.

Interactive systems

Interactive Design Optimization of Framed Structures, S. S. Al-Saadoun and J. S. Arora, CP Jan. 89 p60-74.

Knowledge-based systems

GHOST: Project Network Generator, D. Navinchandra, D. Sriram and R. D. Logcher, CP July 88 p239-254.

Intelligent Decision Support and Reservoir Management and Operations, Slobodan P. Simonovic and Dragan A. Savic, CP Oct. 89 p367-385.

Knowledge-Based System for Soil Improvement, J. L. Chameau and J. C. Santamarina, CP July 89 p253-267.

Simulating Construction Robot Agents and Their Knowledge Environment, Boyd C. Paulson, Jr., Nadeem Babar, Lai-Heng Chua and Thomas M. Froese, CP Oct. 89 p303-319.

Lakes

Microcomputer Model for Oil Spill Simulation (MICROSS), Poojitha D. Yapa, Ronald J. Thomas, Jr., Randall S. Rutherford and Hung Tao Shen, CP Jan. 89 p33-46.

Layout

Interactive Layout Optimization of Trusses, H. Adeli and K. V. Balasubramanyam, CP July 87 p183-196.

Life cycles

Computerized Life-Cycle Cost Systems in the Army, Edgar Samuel Neely, Jr. and Robert Neathammer, CP Jan. 89 p93-104.

Limit design method

CSTRUCT: Computer Environment for Design of Steel Structures, M. A. Austin, S. A. Mahin and K. S. Pister, CP July 89 p209-227.

Load combinations

Simplified Second-Order Elastic-Plastic Analysis of Frames, Vasanti Gharpuray and J. Dario Aristizabal-Ochoa, CP Jan. 89 p47-59.

Load transfer

Load Redistribution in Frame with Settling Footings, Terence A. Weigel, Kenneth J. Ott and D. Joseph Hagerty, CP Jan. 89 p75-92.

Maintenance costs

Computerized Life-Cycle Cost Systems in the Army, Edgar Samuel Neely, Jr. and Robert Neathammer, CP Jan. 89 p93-104.

Mathematical models

Seismic Analysis of Multistory Building Systems Using Microcomputers, Luis A. de Béjar, CP Jan. 89 p1-17.

Microcomputers

Expert System for Evaluating and Notifying Hazardous Waste Generators, Leel Knowles, James P. Heaney and Mark Shafer, CP Apr. 89 p111-126.

Microcomputer Model for Oil Spill Simulation (MICROSS), Poojitha D. Yapa, Ronald J. Thomas, Jr., Randall S. Rutherford and Hung Tao Shen, CP Jan. 89 p33-46.

Microcomputer-Aided Analysis and Design of Steel Frames, Magdy S. L. Roufaiel and Frank F. Monasa, CP Apr. 89 p127-142.

PC-Based Data Acquisition System for Structural Monitoring, Harry W. Shenton, III and Nicholas P. Jones, CP Oct. 89 p333-347.

Sensitivity Analysis of Construction Contract Prices Using Spreadsheets, Foad Farid, CP July 89 p238-252.

Soft Logic in Network Analysis, Samer Tamimi and James Diekmann, CP July 88 p289-300.

Models

Computer Graphics in Truss-Model Design Approach, Salah Benabdallah, Julio A. Ramirez and Robert H. Lee, CP July 89 p285-301.

Monitoring

PC-Based Data Acquisition System for Structural Monitoring, Harry W. Shenton, III and Nicholas P. Jones, CP Oct. 89 p333-347.

Monte Carlo method

Numerical Approach for Generating Beta Random Variates, Leland S. Riggs, CP Apr. 89 p183-191.

Multistory buildings

Seismic Analysis of Multistory Building Systems Using Microcomputers, Luis A. de Béjar, CP Jan. 89 p1-17.

Network analysis

Soft Logic in Network Analysis, Samer Tamimi and James Diekmann, CP July 88 p289-300.

Networks

Unified Activity Network Model, Chris Hendrickson and Carlos Zozaya-Gorostiza, CP Apr. 89 p192-200.

Numerical analysis

Modeling of Dynamic Systems: An Innovative Approach, Gilles G. Patry, CP Apr. 89 p158-172.

Numerical calculations

Assessment of Computational Practices in Dynamic Soil-Structure Interaction, C. C. Spyrakos, Patel and F. T. Kokkinos, CP Apr. 89 p143-157.

Oil spills

Microcomputer Model for Oil Spill Simulation (MICROSS), Poojitha D. Yapa, Ronald J. Thomas, Jr., Randall S. Rutherford and Hung Tao Shen, CP Jan. 89 p33-46.

Optimization

Interactive Layout Optimization of Trusses, H. Adeli and K. V. Balasubramanyam, CP July 87 p183-196.

Optimization model

Interactive Design Optimization of Framed Structures, S. S. Al-Saadoun and J. S. Arora, CP Jan. 89 p60-74.

Plane strain

Assessment of Computational Practices in Dynamic Soil-Structure Interaction, C. C. Spyrakos, Patel and F. T. Kokkinos, CP Apr. 89 p143-157.

Pricing

Sensitivity Analysis of Construction Contract Prices Using Spreadsheets, Foad Farid, CP July 89 p238-252.

Probability density functions

Numerical Approach for Generating Beta Random Variates, Leland S. Riggs, CP Apr. 89 p183-191.

Profits

Sensitivity Analysis of Construction Contract Prices Using Spreadsheets, Foad Farid, CP July 89 p238-252.

Project management

GHOST: Project Network Generator, D. Navinchandra, D. Sriram and R. D. Logcher, CP July 88 p239-254.

Soft Logic in Network Analysis, Samer Tamimi and James Diekmann, CP July 88 p289-300.

Research

Simulating Construction Robot Agents and Their Knowledge Environment, Boyd C. Paulson, Jr., Nadeem Babar, Lai-Heng Chua and Thomas M. Froese, CP Oct. 89 p303-319.

Reservoir operation

Intelligent Decision Support and Reservoir Management and Operations, Slobodan P. Simonovic and Dragan A. Savic, CP Oct. 89 p367-385.

Reservoir systems

Intelligent Decision Support and Reservoir Management and Operations, Slobodan P. Simonovic and Dragan A. Savic, CP Oct. 89 p367-385.

Reservoirs

Intelligent Decision Support and Reservoir Management and Operations, Slobodan P. Simonovic and Dragan A. Savic, CP Oct. 89 p367-385.

Rivers

Microcomputer Model for Oil Spill Simulation (MICROSS), Poojitha D. Yapa, Ronald J. Thomas, Jr., Randall S. Rutherford and Hung Tao Shen, CP Jan. 89 p33-46.

Robotics

Simulating Construction Robot Agents and Their Knowledge Environment, Boyd C. Paulson, Jr., Nadeem Babar, Lai-Heng Chua and Thomas M. Froese, CP Oct. 89 p303-319.

Scheduling

GHOST: Project Network Generator, D. Navinchandra, D. Sriram and R. D. Logcher, CP July 88 p239-254.

Seepage

Automatic Generation of Seepage Flow Nets by Finite Element Method, Fred T. Tracy and N. Radhakrishnan, CP July 89 p268-284.

Seismic response

Seismic Analysis of Multistory Building Systems Using Microcomputers, Luis A. de Béjar, CP Jan. 89 p1-17.

Settlement analysis

Load Redistribution in Frame with Settling Footings, Terence A. Weigel, Kenneth J. Ott and D. Joseph Hagerty, CP Jan. 89 p75-92.

Shafts

Transient Analysis of Viscoelastic Tapered Bars and Shafts, Constantine Chris Spyrakos, CP Jan. 88 p53-67.

Simulation

Modeling of Dynamic Systems: An Innovative Approach, Gilles G. Patry, CP Apr. 89 p158-172.

Simulating Construction Robot Agents and Their Knowledge Environment, Boyd C. Paulson, Jr., Nadeem Babar, Lai-Heng Chua and Thomas M. Froese, CP Oct. 89 p303-319.

Soil

Load Redistribution in Frame with Settling Footings, Terence A. Weigel, Kenneth J. Ott and D. Joseph Hagerty, CP Jan. 89 p75-92.

Soil analysis

Knowledge-Based System for Soil Improvement, J. L. Chameau and J. C. Santamarina, CP July 89 p253-267.

Soil treatment

Knowledge-Based System for Soil Improvement, J. L. Chameau and J. C. Santamarina, CP July 89 p253-267.

Soils

Knowledge-Based System for Soil Improvement, J. L. Chameau and J. C. Santamarina, CP July 89 p253-267.

Soil-structure interaction

Assessment of Computational Practices in Dynamic Soil-Structure Interaction, C. C. Spyrakos, Patel and F. T. Kokkinos, CP Apr. 89 p143-157.

Spreadsheets

Modeling of Dynamic Systems: An Innovative Approach, Gilles G. Patry, CP Apr. 89 p158-172.

Spreadsheets

Expert System for Evaluating and Notifying Hazardous Waste Generators, Leel Knowles, James P. Heaney and Mark Shafer, CP Apr. 89 p111-126.

Sensitivity Analysis of Construction Contract Prices Using Spreadsheets, Foad Farid, CP July 89 p238-252.

Steel

Simplified Second-Order Elastic-Plastic Analysis of Frames, Vasanti Gharpuray and J. Dario Aristizabal-Ochoa, CP Jan. 89 p47-59.

Steel frames

CSTRUCT: Computer Environment for Design of Steel Structures, M. A. Austin, S. A. Mahin and K. S. Pister, CP July 89 p209-227.

Microcomputer-Aided Analysis and Design of Steel Frames, Magdy S. L. Roufaiel and Frank F. Monasa, CP Apr. 89 p127-142.

Structural analysis

CSTRUCT: Computer Environment for Design of Steel Structures, M. A. Austin, S. A. Mahin and K. S. Pister, CP July 89 p209-227.

Structural design

CSTRUCT: Computer Environment for Design of Steel Structures, M. A. Austin, S. A. Mahin and K. S. Pister, CP July 89 p209-227.

Structural engineering

PC-Based Data Acquisition System for Structural Monitoring, Harry W. Shenton, III and Nicholas P. Jones, CP Oct. 89 p333-347.

Seismic Analysis of Multistory Building Systems Using Microcomputers, Luis A. de Béjar, CP Jan. 89 p1-17.

Simplified Second-Order Elastic-Plastic Analysis of Frames, Vasanti Gharpuray and J. Dario Aristizabal-Ochoa, CP Jan. 89 p47-59.

Structural members

Computer Graphics in Truss-Model Design Approach, Salah Benabdallah, Julio A. Ramirez and Robert H. Lee, CP July 89 p285-301.

System analysis

Intelligent Decision Support and Reservoir Management and Operations, Slobodan P. Simonovic and Dragan A. Savic, CP Oct. 89 p367-385.

Tall buildings

Seismic Analysis of Multistory Building Systems Using Microcomputers, Luis A. de Béjar, CP Jan. 89 p1-17.

Three-dimensional analysis

Seismic Analysis of Multistory Building Systems Using Microcomputers, Luis A. de Béjar, CP Jan. 89 p1-17.

Traffic

HIBIC: Expert System for Highway Bridge Dynamics, D. J. Baker, G. D. Manolis and S. Mohan, CP Oct. 89 p348-366.

Traffic flow

HIBIC: Expert System for Highway Bridge Dynamics, D. J. Baker, G. D. Manolis and S. Mohan, CP Oct. 89 p348-366.

Traffic volume

HIBIC: Expert System for Highway Bridge Dynamics, D. J. Baker, G. D. Manolis and S. Mohan, CP Oct. 89 p348-366.

Trusses

Computer Graphics in Truss-Model Design Approach, Salah Benabdallah, Julio A. Ramirez and Robert H. Lee, CP July 89 p285-301.

Emulation for Control System Analysis in Automated Construction, Leonhard E. Bernold, Dulcy M. Abraham and Eric E. Livingston, CP Oct. 89 p320-332.

Interactive Layout Optimization of Trusses, H. Adeli and K. V. Balasubramanyam, CP July 87 p183-196.

Uncertainty analysis

Knowledge-Based System for Soil Improvement, J. L. Chameau and J. C. Santamarina, CP July 89 p253-267.

Soft Logic in Network Analysis, Samer Tamimi and James Diekmann, CP July 88 p289-300.

Utilization

Computer-Integration: Reducing Fragmentation in AEC Industry, H. C. Howard, R. E. Levitt, B. C. Paulson, J. G. Pohl and C. B. Tatum, CP Jan. 89 p18-32.

Vibration

Transient Analysis of Viscoelastic Tapered Bars and Shafts, Constantine Chris Spyrakos, CP Jan. 88 p53-67.

Viscoelasticity

Transient Analysis of Viscoelastic Tapered Bars and Shafts, Constantine Chris Spyrakos, CP Jan. 88 p53-67.

Waste management

Expert System for Evaluating and Notifying Hazardous Waste Generators, Leel Knowles, James P. Heaney and Mark Shafer, CP Apr. 89 p111-126.

Wind

PC-Based Data Acquisition System for Structural Monitoring, Harry W. Shenton, III and Nicholas P. Jones, CP Oct. 89 p333-347.

AUTHOR INDEX

Abraham, Dulcy M.
see Bernold, Leonhard E., CP Oct. 89, p320-332

Adeli, H.
Interactive Layout Optimization of Trusses, CP July 87, p183-196
disc: David Johnson, CP Jan. 89, p107-108
clo: CP Jan. 89, p108-109

Al-Saadoun, S. S.
Interactive Design Optimization of Framed Structures, with J. S. Arora, CP Jan. 89, p60-74

Aristizabal-Ochoa, J. Dario
disc. (of Transient Analysis of Viscoelastic Tapered Bars and Shafts, by Constantine Chris Spyrakos, CP Jan. 88, p53-67), CP Apr. 89, p203-204
see Gharpuray, Vasanti, CP Jan. 89, p47-59

Arora, J. S.
see Al-Saadoun, S. S., CP Jan. 89, p60-74

Austin, M. A.
CSTRUCT: Computer Environment for Design of Steel Structures, with S. A. Mahin and K. S. Pister, CP July 89, p209-227

Babar, Nadeem
see Paulson, Boyd C., Jr., CP Oct. 89, p303-319

Baker, D. J.
HIBIC: Expert System for Highway Bridge Dynamics, with G. D. Manolis and S. Mohan, CP Oct. 89, p348-366

Balasubramanyam, K. V. Ph.D. Candidate Dept. of Civ. Engrg., The Ohio State Univ., 470 Hitchcock Hall, 2070 Neil Ave., Columbus, OH 43210, (disc), CP Jan. 89, p108-109

Balasubramanyam, K. V.
see Adeli, H., CP July 87, p183-196

Balasubramanyam, K. V. Ph.D. Candidate Dept. of Civ. Engrg., The Ohio State Univ., 470 Hitchcock Hall, 2070 Neil Ave., Columbus, OH 43210
see Johnson, David, (disc), CP Jan. 89, p107-108

Benabdallah, Salah
Computer Graphics in Truss-Model Design Approach, with Julio A. Ramirez and Robert H. Lee, CP July 89, p285-301

Bernold, Leonhard E.
Emulation for Control System Analysis in Automated Construction, with Dulcy M. Abraham and Eric E. Livingston, CP Oct. 89, p320-332

Chameau, J. L.
Knowledge-Based System for Soil Improvement, with J. C. Santamarina, CP July 89, p253-267

Chua, Lai-Heng
see Paulson, Boyd C., Jr., CP Oct. 89, p303-319

de Béjar, Luis A.
Seismic Analysis of Multistory Building Systems Using Microcomputers, CP Jan. 89, p1-17

Diekmann, James
see Tamimi, Samer, CP July 88, p289-300

Farid, Foad
Sensitivity Analysis of Construction Contract Prices Using Spreadsheets, CP July 89, p238-252

Froese, Thomas M.
see Paulson, Boyd C., Jr., CP Oct. 89, p303-319

Gharpuray, Vasanti
Simplified Second-Order Elastic-Plastic Analysis of Frames, with J. Dario Aristizabal-Ochoa, CP Jan. 89, p47-59

Gowri, Krishnan
disc. (of Generic Design Standards Processing in an Expert System Environment, by William J. Rasdorf and TsoJen E. Wang, CP Jan. 88, p68-87) with Claude Bedard and Paul Fazio, CP Apr. 89, p205-206

Guenther, Paul W.
see Puckett, Jay A., CP July 89, p228-237

Hagerty, D. Joseph
see Weigel, Terence A., CP Jan. 89, p75-92

Heaney, James P.
see Knowles, Leel, CP Apr. 89, p111-126

Hendrickson, Chris
Unified Activity Network Model, with Carlos Zozaya-Gorostiza, CP Apr. 89, p192-200

Howard, H. C.
Computer-Integration: Reducing Fragmentation in AEC Industry, with R. E. Levitt, B. C. Paulson, J. G. Pohl and C. B. Tatum, CP Jan. 89, p18-32

Johnson, David
disc. (of Interactive Layout Optimization of Trusses, by H. Adeli and K. V. Balasubramanyam, CP July 87, p183-196), CP Jan. 89, p107-108

Jones, Nicholas P.
see Shenton, Harry W., III, CP Oct. 89, p333-347

Knowles, Leel
Expert System for Evaluating and Notifying Hazardous Waste Generators, with James P. Heaney and Mark Shafer, CP Apr. 89, p111-126

Kokkinos, F. T.
see Spyrakos, C. C., CP Apr. 89, p143-157

Lee, Robert H.
see Benabdallah, Salah, CP July 89, p285-301

Levitt, R. E.
see Howard, H. C., CP Jan. 89, p18-32

Livingston, Eric E.
see Bernold, Leonhard E., CP Oct. 89, p320-332

Logcher, R. D.
see Navinchandra, D., CP July 88, p239-254

Mahin, S. A.
see Austin, M. A., CP July 89, p209-227

Manolis, G. D.
see Baker, D. J., CP Oct. 89, p348-366

Mohan, S.
see Baker, D. J., CP Oct. 89, p348-366

Monasa, Frank F.
see Roufaiel, Magdy S. L., CP Apr. 89, p127-142

Navinchandra, D.
GHOST: Project Network Generator, with D. Sriram and R. D. Logcher, CP July 88, p239-254

Neathammer, Robert
see Neely, Edgar Samuel, Jr., CP Jan. 89, p93-104

Neely, Edgar Samuel, Jr.
Computerized Life-Cycle Cost Systems in the Army, with Robert Neathammer, CP Jan. 89, p93-104

Ott, Kenneth J.
see Weigel, Terence A., CP Jan. 89, p75-92

Patel
see Spyrakos, C. C., CP Apr. 89, p143-157

Patry, Gilles G.
Modeling of Dynamic Systems: An Innovative Approach, CP Apr. 89, p158-172

Paulson, B. C.
see Howard, H. C., CP Jan. 89, p18-32

Paulson, Boyd C., Jr.
Simulating Construction Robot Agents and Their Knowledge Environment, with Nadeem Babar, Lai-Heng Chua and Thomas M. Froese, CP Oct. 89, p303-319

Pister, K. S.
see Austin, M. A., CP July 89, p209-227

Pohl, J. G.
see Howard, H. C., CP Jan. 89, p18-32

Puckett, Jay A.
Linking Civil Engineering Design and Drafting Software via IGES, with Paul W. Guenther, CP July 89, p228-237

Radhakrishnan, N.
see Tracy, Fred T., CP July 89, p268-284

Ramirez, Julio A.
see Benabdallah, Salah, CP July 89, p285-301

Rasdorf, William J.
Generic Design Standards Processing in an Expert System Environment, CP Jan. 88, p68-87
disc: Krishnan Gowri, Claude Bedard and Paul Fazio, CP Apr. 89, p205-206

Riggs, Leland S.
Interactive Graphing of Simulation Networks, CP Apr. 89, p173-182
Numerical Approach for Generating Beta Random Variates, CP Apr. 89, p183-191

Roufaiel, Magdy S. L.
Microcomputer-Aided Analysis and Design of Steel Frames, with Frank F. Monasa, CP Apr. 89, p127-142

Rutherford, Randall S.
see Yapa, Poojitha D., CP Jan. 89, p33-46

Santamarina, J. C.
see Chameau, J. L., CP July 89, p253-267

Savic, Dragan A.
see Simonovic, Slobodan P., CP Oct. 89, p367-385

Shafer, Mark
see Knowles, Leel, CP Apr. 89, p111-126

Shen, Hung Tao
see Yapa, Poojitha D., CP Jan. 89, p33-46

Shenton, Harry W., III
PC-Based Data Acquisition System for Structural Monitoring, with Nicholas P. Jones, CP Oct. 89, p333-347

Simonovic, Slobodan P.
Intelligent Decision Support and Reservoir Management and Operations, with Dragan A. Savic, CP Oct. 89, p367-385

Spyrakos, C. C.
Assessment of Computational Practices in Dynamic Soil-Structure Interaction, with Patel and F. T. Kokkinos, CP Apr. 89, p143-157

Spyrakos, Constantine Chris
Transient Analysis of Viscoelastic Tapered Bars and Shafts, CP Jan. 88, p53-67
disc: J. Dario Aristizabal-Ochoa, CP Apr. 89, p203-204

Sriram, D.
see Navinchandra, D., CP July 88, p239-254

Tamimi, Samer
Soft Logic in Network Analysis, with James Diekmann, CP July 88, p289-300

Tatum, C. B.
see Howard, H. C., CP Jan. 89, p18-32

Thomas, Ronald J., Jr.
see Yapa, Poojitha D., CP Jan. 89, p33-46

Tracy, Fred T.
Automatic Generation of Seepage Flow Nets by Finite Element Method, with N. Radhakrishnan, CP July 89, p268-284

Wang, TsoJen E. Systems Engr. Micro Computer Systems, Inc., Bethesda, MD 20814 7911, Raleigh, NC 27695
see Gowri, Krishnan, (disc), CP Apr. 89, p205-206

Wang, TsoJen E.
see Rasdorf, William J., CP Jan. 88, p68-87

Weigel, Terence A.
Load Redistribution in Frame with Settling Footings, with Kenneth J. Ott and D. Joseph Hagerty, CP Jan. 89, p75-92

Yapa, Poojitha D.
Microcomputer Model for Oil Spill Simulation (MICROSS), with Ronald J. Thomas, Jr., Randall S. Rutherford and Hung Tao Shen, CP Jan. 89, p33-46

Zozaya-Gorostiza, Carlos
see Hendrickson, Chris, CP Apr. 89, p192-200